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3D1 HEAVY CHAIN VARIABLE REGION SEQUENCE

ATG	GGT	TGG	AAC	TGT	ATC	ATC	TTC	TTT	CTG	GTT	ACA	ACA	GCT	ACA	GGT	GTG	CAC	TCC	CAG
M	G	W	N	C	I	I	F	F	L	V	T	T	A	T	G	V	H	S	<u>Q</u>
GTC	CAG	CTG	CAG	CAG	TCT	GGG	CCT	GAG	CTG	GTG	AGG	CCT	GGG	GAA	TCA	GTG	AAG	ATT	TCC
V	Q	L	Q	Q	S	G	P	E	L	V	R	P	G	E	S	V	K	I	S
TGC	AAG	GGT	TCC	GCC	TAC	ACA	TTC	ACT	GAT	TAT	GCT	ATA	CAG	TGG	GTG	AAG	CAG	AGT	CAT
C	K	G	S	G	Y	T	F	T	D	<u>Y</u>	<u>A</u>	<u>I</u>	<u>Q</u>	W	V	K	Q	S	H
GCA	AAG	AGT	CTA	GAG	TGG	ATT	GGA	GTG	ATT	AAT	ATT	TAC	TAT	GAT	AAT	ACA	AAC	TAC	AAC
A	K	S	L	E	W	I	G	V	I	N	I	Y	Y	D	N	T	N	Y	N
CAG	AAG	TTT	AAG	GGC	AAG	GCC	ACA	ATG	ACT	GTA	GAC	AAA	TCC	TCC	AGC	ACA	GCC	TAT	ATG
O	K	F	K	G	K	A	T	M	T	V	D	K	S	S	T	A	Y	M	
GAA	CTT	GCC	AGA	TTG	ACA	TCT	GAG	GAT	TCT	GCC	ATC	TAT	TAC	TGT	GCA	AGA	GCG	GCC	TGG
E	I	A	R	L	T	S	E	D	S	A	I	Y	Y	C	A	R	<u>A</u>	<u>A</u>	W
TAT	ATG	GAC	TAC	TGG	GGT	CAA	GGA	ACC	TCA	GTC	ACC	GTC	TCC	TCA					
Y	M	D	Y	W	G	Q	G	T	S	V	T	V	S	S					

**FIG. 1(A)**

APPROVED	O.G. FIG.	GLASS SUBCLASS	DRAFTSMAN
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3D1 LIGHT CHAIN VARIABLE REGION SEQUENCE

ATG	GAT	TCA	CAG	GCC	CAG	GTT	CTT	ATA	TTG	CTG	CTG	CTA	TGG	GTA	TCT	GGT	ACC	TGT	GGG	
<u>M</u>	D	S	<u>Q</u>	A	<u>Q</u>	V	L	I	L	L	L	L	W	V	S	G	T	C	G	
GAC	ATT	GTG	CTG	TCA	CAG	TCT	CCA	TCC	TCC	CTG	GCT	GTG	TCA	GCA	GGA	GAG	AAG	GTC	ACT	
<u>D</u>	<u>I</u>	V	L	S	<u>Q</u>	S	P	S	S	L	A	V	S	A	G	E	K	V	T	
ATG	AGC	TGC	AAA	TCC	AGT	CAG	AGT	CTG	CTG	AAC	AGT	AGA	ACC	CGA	GAG	AAC	TAC	TTG	GCT	
<u>M</u>	S	C	<u>K</u>	<u>S</u>	<u>S</u>	<u>Q</u>	S	<u>L</u>	<u>L</u>	<u>N</u>	R	T	R	E	N	Y	<u>I</u>	A		
TGG	TAC	CAG	CAG	AAA	CCA	GGG	CAG	TCT	CCT	AAA	CTG	CTG	ATC	TAC	TGG	GCA	TCC	ACT	AGG	
<u>W</u>	Y	Q	Q	K	P	G	Q	S	P	K	L	L	I	Y	W	A	S	T	R	
GAA	TCT	GGG	GTC	CCT	GAT	CGC	TTC	ACA	GGC	AGT	GGA	TCT	GGG	ACA	GAT	TTC	ACT	CTC	ACC	
<u>E</u>	<u>S</u>	G	V	P	D	R	F	T	G	S	G	S	G	T	D	F	T	L	T	
ATC	ACG	AGT	GTG	CAG	GCT	GAA	GAC	CTG	GCA	GCA	GTT	TAT	TAC	TGC	ACG	CAA	TCT	TAT	AAT	CTT
<u>I</u>	S	S	V	Q	A	E	D	L	A	V	Y	Y	C	<u>T</u>	<u>O</u>	<u>S</u>	<u>Y</u>	<u>N</u>	<u>L</u>	
TAC	ACG	TTC	GGA	GGG	GGG	ACC	AAG	CTG	GAA	ATA	ATA	AAA								
<u>Y</u>	<u>T</u>	F	G	G	G	T	K	L	E	I	K									

**FIG. 1(B)**

APPROVED	O.G. FIG.	GLASS	GLASS	DRAFTSMAN



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Hu3D1 HEAVY CHAIN VARIABLE REGION SEQUENCE

ATG	GGT	TGG	AAC	TGT	ATC	ATC	TTC	TTT	CTG	GTT	ACC	ACA	GCT	ACA	GGT	GTG	CAC	TCC	CAG	30
<u>M</u>	<u>G</u>	<u>W</u>	<u>N</u>	<u>C</u>	<u>I</u>	<u>I</u>	<u>F</u>	<u>F</u>	<u>L</u>	<u>V</u>	<u>T</u>	<u>T</u>	<u>A</u>	<u>T</u>	<u>G</u>	<u>V</u>	<u>H</u>	<u>S</u>	<u>Q</u>	60
GTC	CAG	CTG	GTG	CAG	TCT	GGG	GCT	GAG	GTG	AAG	AAG	CCT	GGG	AGC	TCA	GTG	AAG	GTG	TCC	90
<u>V</u>	<u>Q</u>	<u>L</u>	<u>V</u>	<u>Q</u>	<u>S</u>	<u>G</u>	<u>A</u>	<u>E</u>	<u>V</u>	<u>K</u>	<u>K</u>	<u>P</u>	<u>G</u>	<u>S</u>	<u>S</u>	<u>V</u>	<u>K</u>	<u>V</u>	<u>S</u>	120
TGC	AAA	GCT	TCC	GGC	TAC	ACA	TTC	ACT	GAT	TAT	GCT	ATA	CAG	TGG	GTG	AGA	CAG	GCT	CCT	150
<u>C</u>	<u>K</u>	<u>A</u>	<u>S</u>	<u>G</u>	<u>Y</u>	<u>T</u>	<u>F</u>	<u>T</u>	<u>D</u>	<u>Y</u>	<u>A</u>	<u>I</u>	<u>Q</u>	<u>W</u>	<u>V</u>	<u>R</u>	<u>Q</u>	<u>A</u>	<u>P</u>	180
GGA	CAG	GGC	CTC	GAG	TGG	ATT	GGG	GTG	ATT	AAT	ATT	TAC	TAT	GAT	AAT	ACA	AAC	TAC	AAC	210
<u>G</u>	<u>Q</u>	<u>G</u>	<u>L</u>	<u>E</u>	<u>W</u>	<u>I</u>	<u>G</u>	<u>V</u>	<u>I</u>	<u>N</u>	<u>I</u>	<u>Y</u>	<u>Y</u>	<u>D</u>	<u>N</u>	<u>T</u>	<u>N</u>	<u>Y</u>	<u>N</u>	240
CAG	AAG	TTT	AAG	GGC	AAG	GCC	ACA	ATG	ACT	GTA	GAC	AAG	TCG	ACG	AGC	ACA	GCC	TAT	ATG	330
<u>Q</u>	<u>K</u>	<u>F</u>	<u>K</u>	<u>G</u>	<u>K</u>	<u>A</u>	<u>T</u>	<u>M</u>	<u>T</u>	<u>V</u>	<u>D</u>	<u>K</u>	<u>S</u>	<u>T</u>	<u>S</u>	<u>T</u>	<u>A</u>	<u>Y</u>	<u>M</u>	360
GAA	CTT	AGT	TCT	TG	AGA	TCT	GAG	GAT	ACG	GCC	GTT	TAT	TAC	TGT	GCA	AGA	GCG	GCC	TGG	390
<u>E</u>	<u>L</u>	<u>S</u>	<u>S</u>	<u>L</u>	<u>R</u>	<u>S</u>	<u>E</u>	<u>D</u>	<u>T</u>	<u>A</u>	<u>V</u>	<u>Y</u>	<u>Y</u>	<u>C</u>	<u>A</u>	<u>R</u>	<u>A</u>	<u>A</u>	<u>W</u>	360
TAT	ATG	GAC	TAC	TGG	GGT	CAA	GGT	ACC	CTT	GTC	ACC	GTC	TCC	TCA						390
<u>Y</u>	<u>M</u>	<u>D</u>	<u>Y</u>	<u>W</u>	<u>G</u>	<u>Q</u>	<u>G</u>	<u>T</u>	<u>L</u>	<u>V</u>	<u>T</u>	<u>V</u>	<u>S</u>	<u>S</u>						390

**FIG. 2(A)**

APPROVED	O.G. FIG.	CLASS	SUBCLASS	DRAFTSMAN
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Hu3D1 LIGHT CHAIN VARIABLE REGION SEQUENCE

ATG	GAT	TCA	CAG	GCC	CAG	GTT	CTT	ATA	TTG	CTG	CTG	CTA	TGG	GTA	TCT	GGC	ACC	TGT	GGG
<u>M</u>	<u>D</u>	<u>S</u>	<u>Q</u>	<u>A</u>	<u>Q</u>	<u>V</u>	<u>L</u>	<u>I</u>	<u>L</u>	<u>L</u>	<u>L</u>	<u>L</u>	<u>W</u>	<u>V</u>	<u>S</u>	<u>G</u>	<u>T</u>	<u>C</u>	<u>G</u>
GAC	ATT	GTG	CTG	ACA	CAG	TCT	CCA	GAT	TCC	CTG	GCT	GTA	AGC	TTA	GGA	GAG	AGG	GCC	ACT
<u>D</u>	<u>I</u>	<u>V</u>	<u>L</u>	<u>T</u>	<u>Q</u>	<u>S</u>	<u>P</u>	<u>D</u>	<u>S</u>	<u>L</u>	<u>A</u>	<u>V</u>	<u>S</u>	<u>L</u>	<u>G</u>	<u>E</u>	<u>R</u>	<u>A</u>	<u>T</u>
ATT	AGC	TGC	AAA	TCC	AGT	CAG	AGT	CTG	CTC	AAC	AGT	AGA	ACC	CGA	GAG	AAC	TAC	TGT	GCT
<u>I</u>	<u>S</u>	<u>C</u>	<u>K</u>	<u>S</u>	<u>S</u>	<u>Q</u>	<u>S</u>	<u>L</u>	<u>L</u>	<u>N</u>	<u>S</u>	<u>R</u>	<u>T</u>	<u>R</u>	<u>E</u>	<u>N</u>	<u>Y</u>	<u>I</u>	<u>A</u>
TGG	TAC	CAG	CAG	AAA	CCA	GGG	CAG	CCT	CCT	AAA	CTG	CTG	ATC	TAC	TGG	GCA	TCC	ACT	AGG
<u>W</u>	<u>Y</u>	<u>Q</u>	<u>Q</u>	<u>K</u>	<u>P</u>	<u>G</u>	<u>Q</u>	<u>P</u>	<u>P</u>	<u>K</u>	<u>L</u>	<u>L</u>	<u>I</u>	<u>Y</u>	<u>W</u>	<u>A</u>	<u>S</u>	<u>T</u>	<u>R</u>
GAA	TCT	GGG	GTC	CCT	GAT	CGC	TTC	AGT	GGC	AGT	GGA	TCT	GGG	ACA	GAT	TTC	ACT	CTC	ACC
<u>E</u>	<u>S</u>	<u>G</u>	<u>V</u>	<u>P</u>	<u>D</u>	<u>R</u>	<u>F</u>	<u>S</u>	<u>G</u>	<u>S</u>	<u>G</u>	<u>S</u>	<u>G</u>	<u>T</u>	<u>D</u>	<u>F</u>	<u>T</u>	<u>I</u>	<u>T</u>
ATC	AGC	AGT	CTG	CAG	GCT	GAA	GAC	GTG	GCA	GTC	TAT	TAC	TGC	ACG	CAA	TCT	TAT	ATC	CTT
<u>I</u>	<u>S</u>	<u>S</u>	<u>L</u>	<u>Q</u>	<u>A</u>	<u>E</u>	<u>D</u>	<u>V</u>	<u>A</u>	<u>V</u>	<u>Y</u>	<u>Y</u>	<u>C</u>	<u>T</u>	<u>Q</u>	<u>S</u>	<u>Y</u>	<u>N</u>	<u>L</u>
TAC	ACG	TTC	GGA	CAG	GGG	ACC	AAG	GTG	GAA	ATA	AAA								
<u>Y</u>	<u>T</u>	<u>F</u>	<u>G</u>	<u>Q</u>	<u>G</u>	<u>T</u>	<u>K</u>	<u>V</u>	<u>E</u>	<u>I</u>	<u>K</u>								

**FIG. 2(B)**

APPROVED	BY	CLASS	CLAS SUBCLASS	DRAFTSMAN
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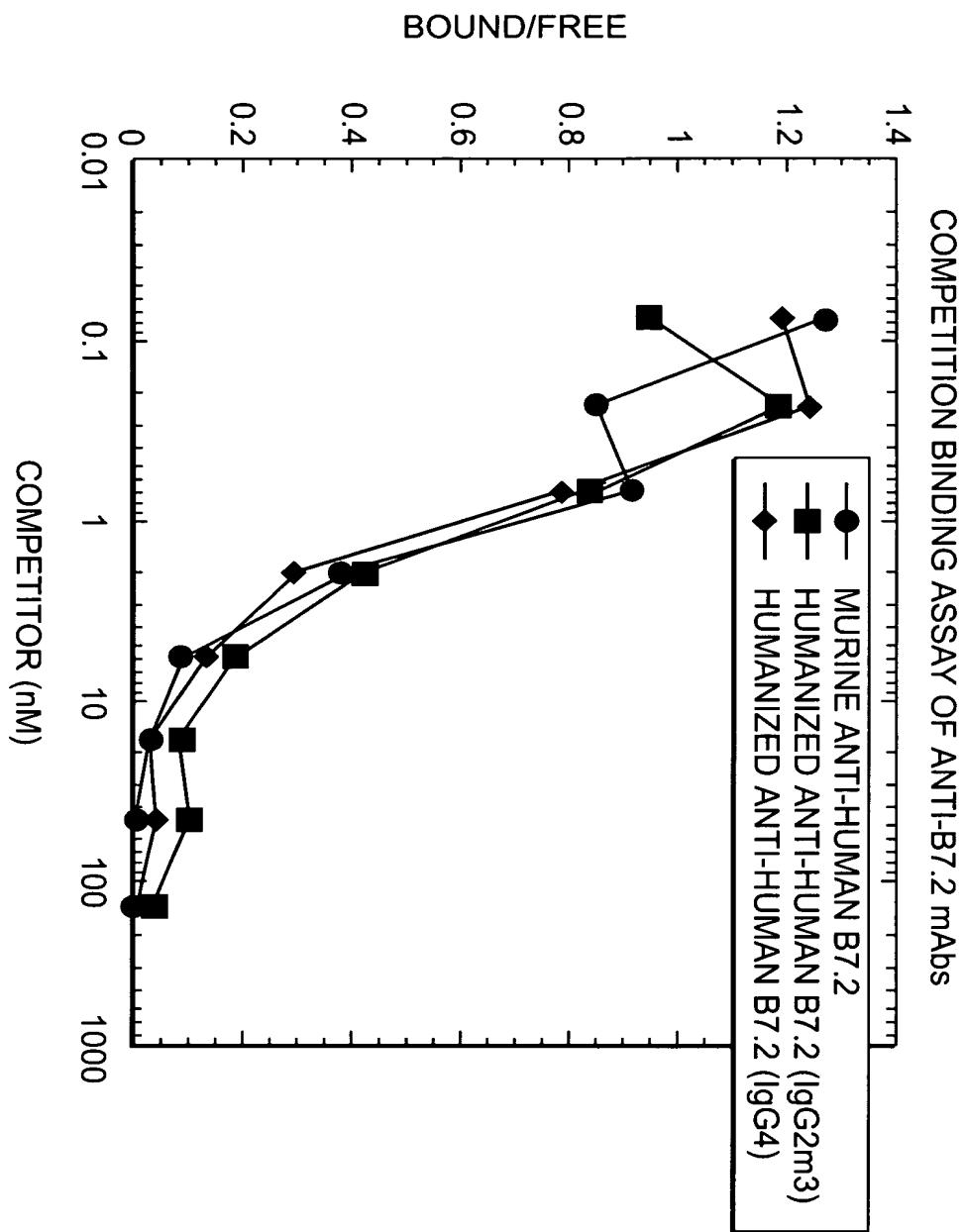


FIG. 3

APPROVED	O.G. FIG.	CLASS	SUBCLASS	DRAFTSMAN
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DIRECT BINDING ASSAY OF ANTI-B7.2 mAbs

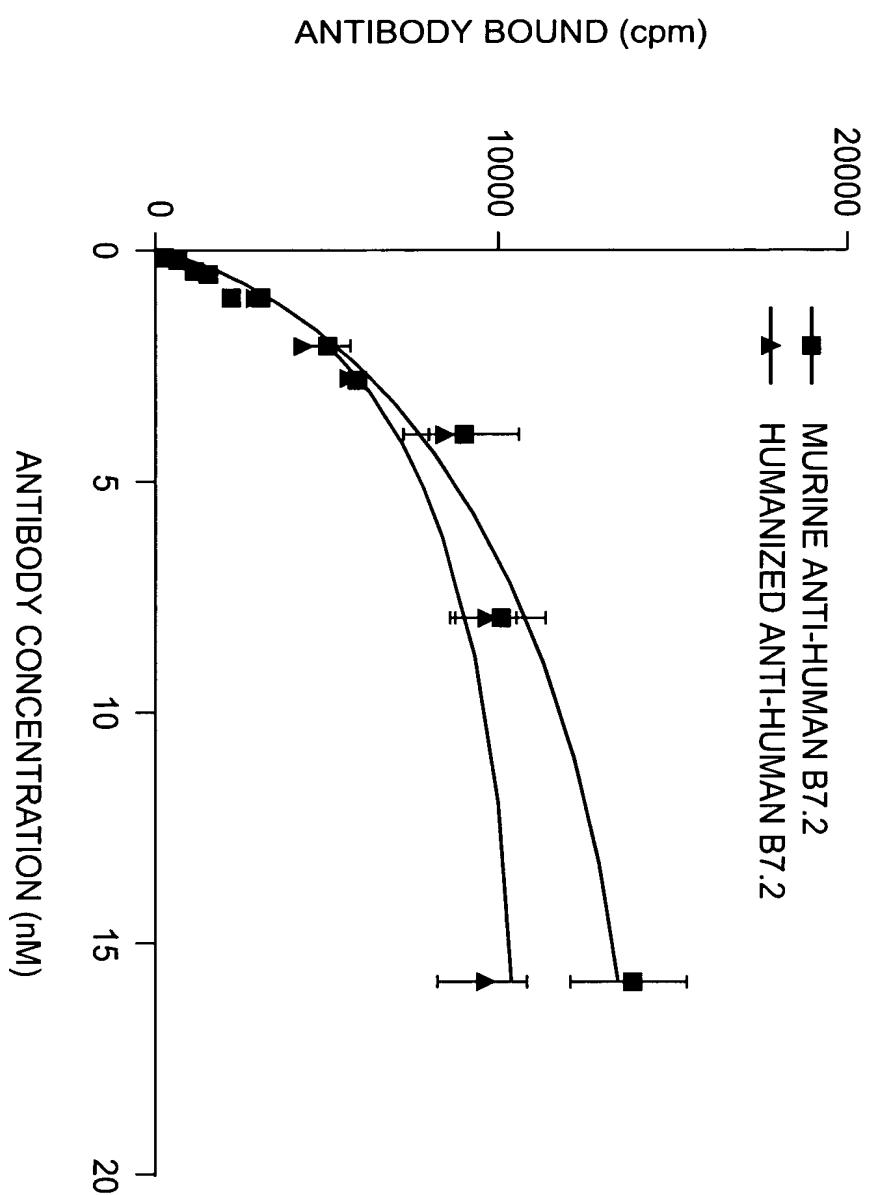
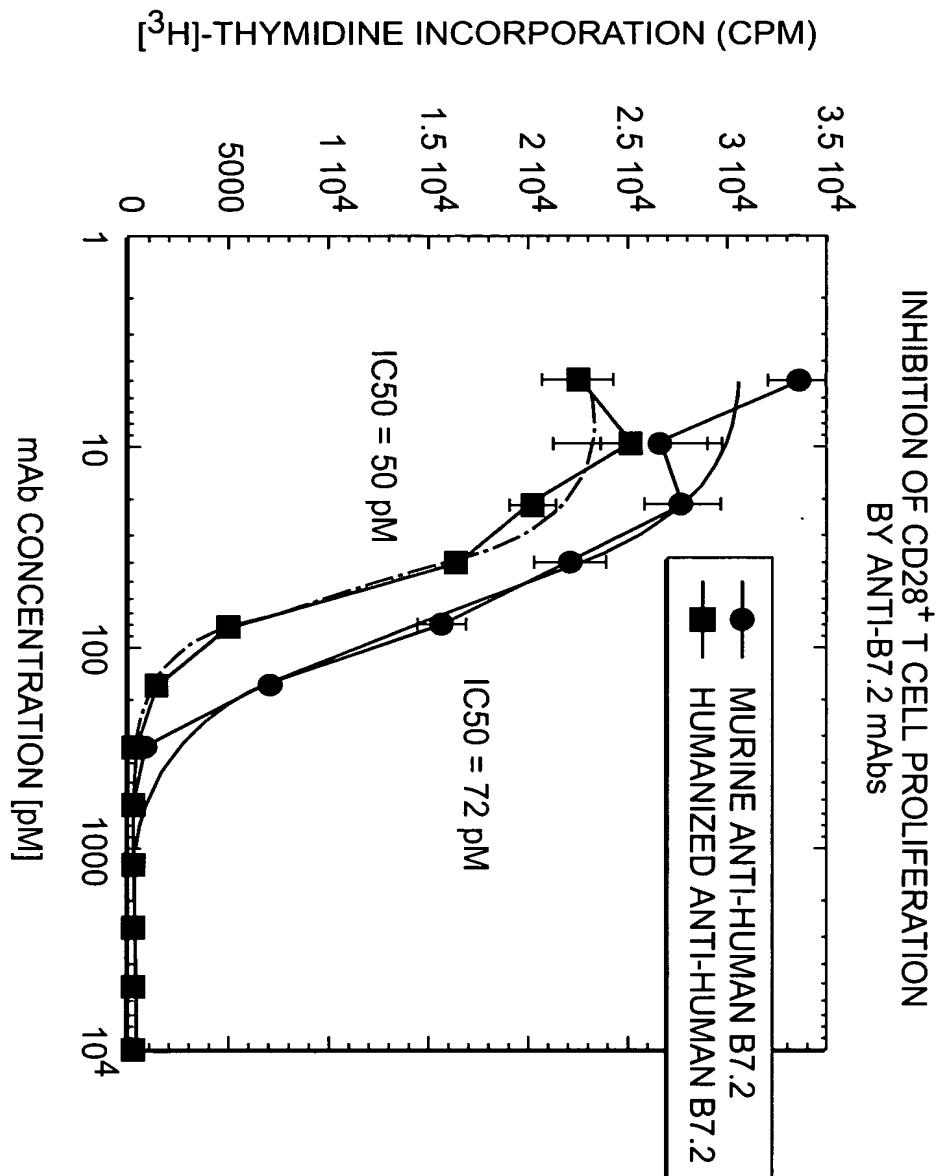


FIG. 4

APPROVED	O.G. FIG.	CLASS	CLASS SUBCLASS	DRAFTER
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**FIG. 5**

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O I P E  
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P A T E N T & T R A D E M A R K O F F I C E

INHIBITION OF A MIXED LYMPHOCYTE REACTION  
BY ANTI-B7 ANTIBODIES AND CTLA41G

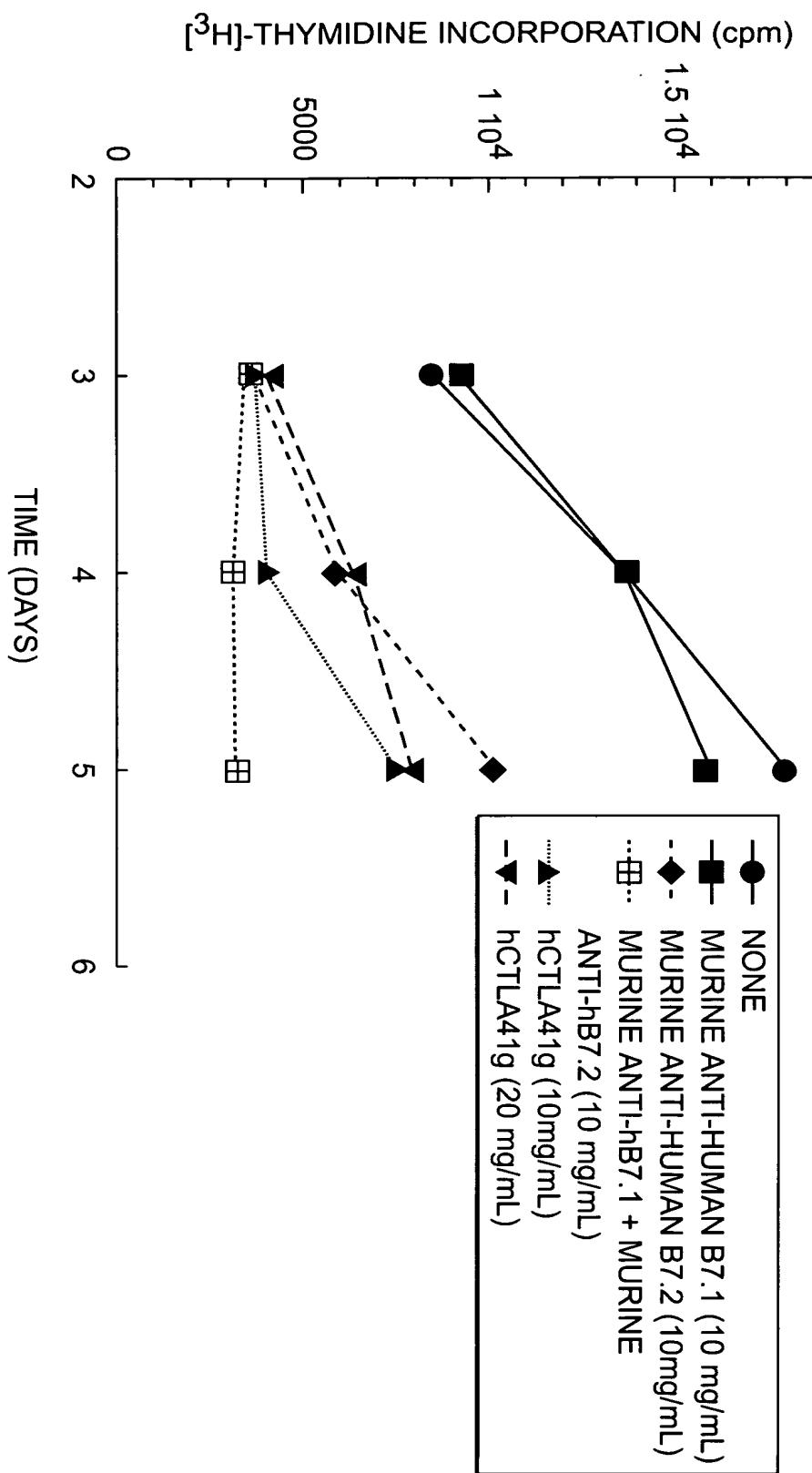
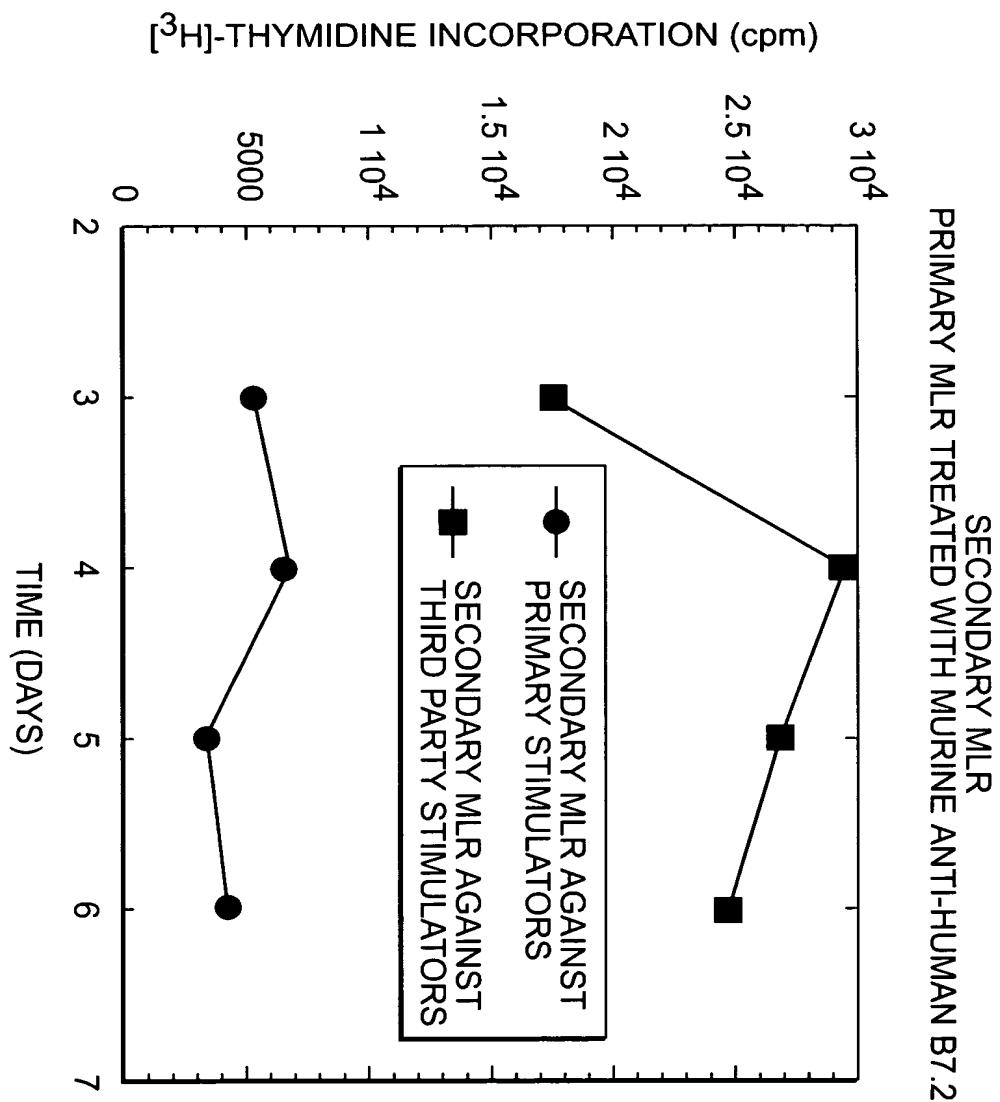


FIG. 6

APPROVED	O.G. FIG.	CLASS	SUBCLASS	DRAFTER



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**FIG. 7**

APPROVED	O. G. FIG.	CLASS	SUBCLASS	DRAWSMAN
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PRIMARY MLR TREATED WITH  
MURINE ANTI-HUMAN B7.1 + MURINE ANTI-HUMAN B7.2

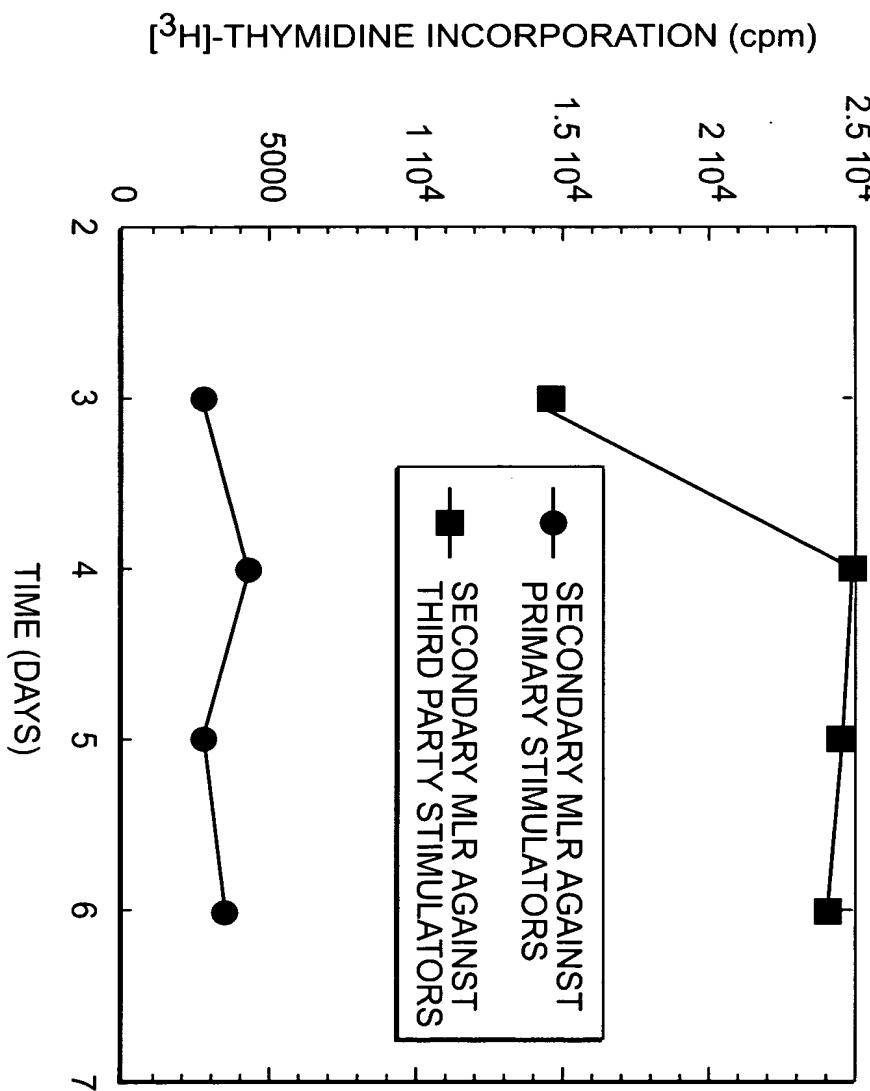


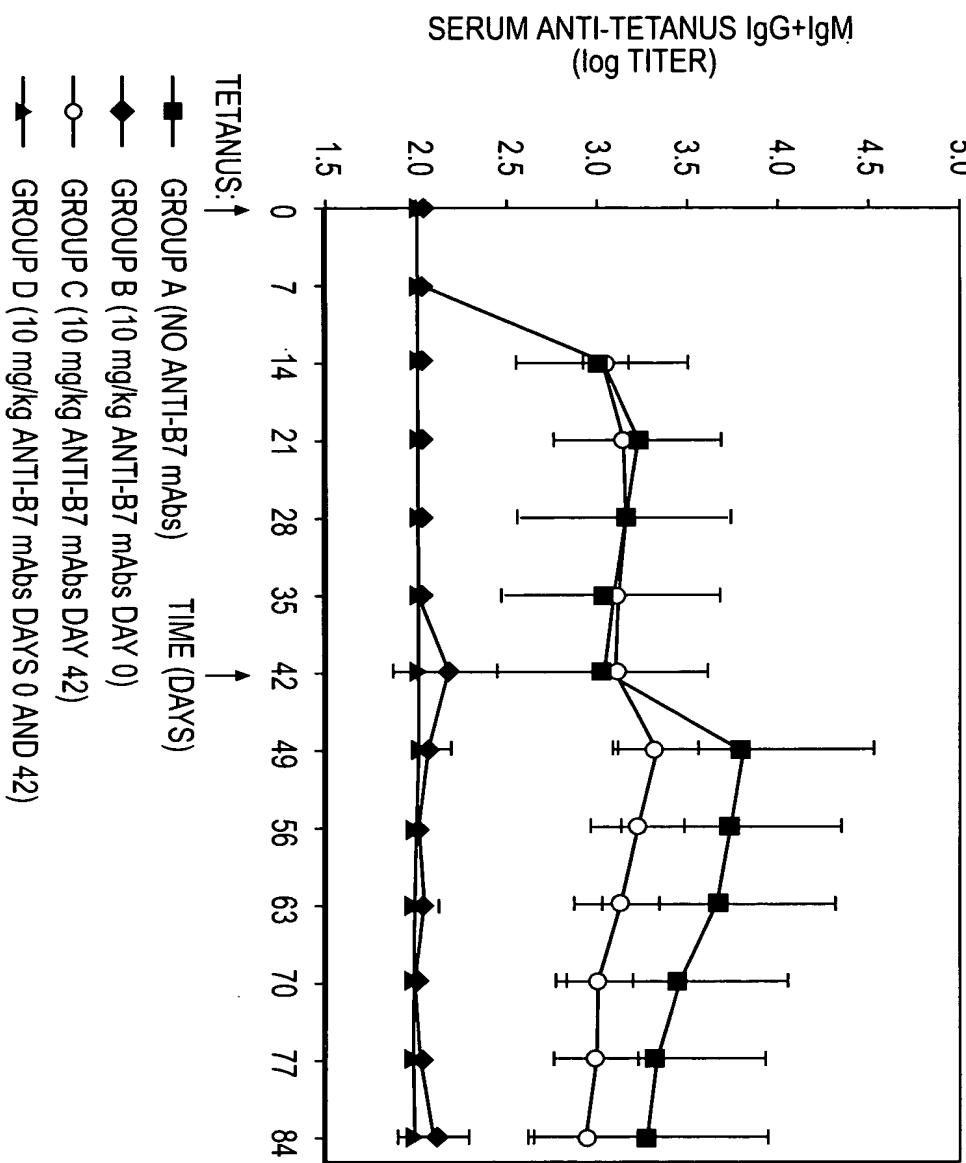
FIG. 8

APPROVED	O.G. FIG.	CLASS	CLASS SUBCLASS	DRAFTER
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ANTIBODY RESPONSE TO TETANUS IMMUNIZATION DURING COSTIMULATION BLOCKADE  
WITH HUMANIZED ANTI-B7.1 AND ANTI-B7.2.



**FIG. 9**

APPROVED	O.G. FIG.	CLASS	SUBCLASS	DRAFTER
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SERUM CONCENTRATION OF HUMANIZED ANTI-B7-2  
IN CYNOLOGUS MONKEYS

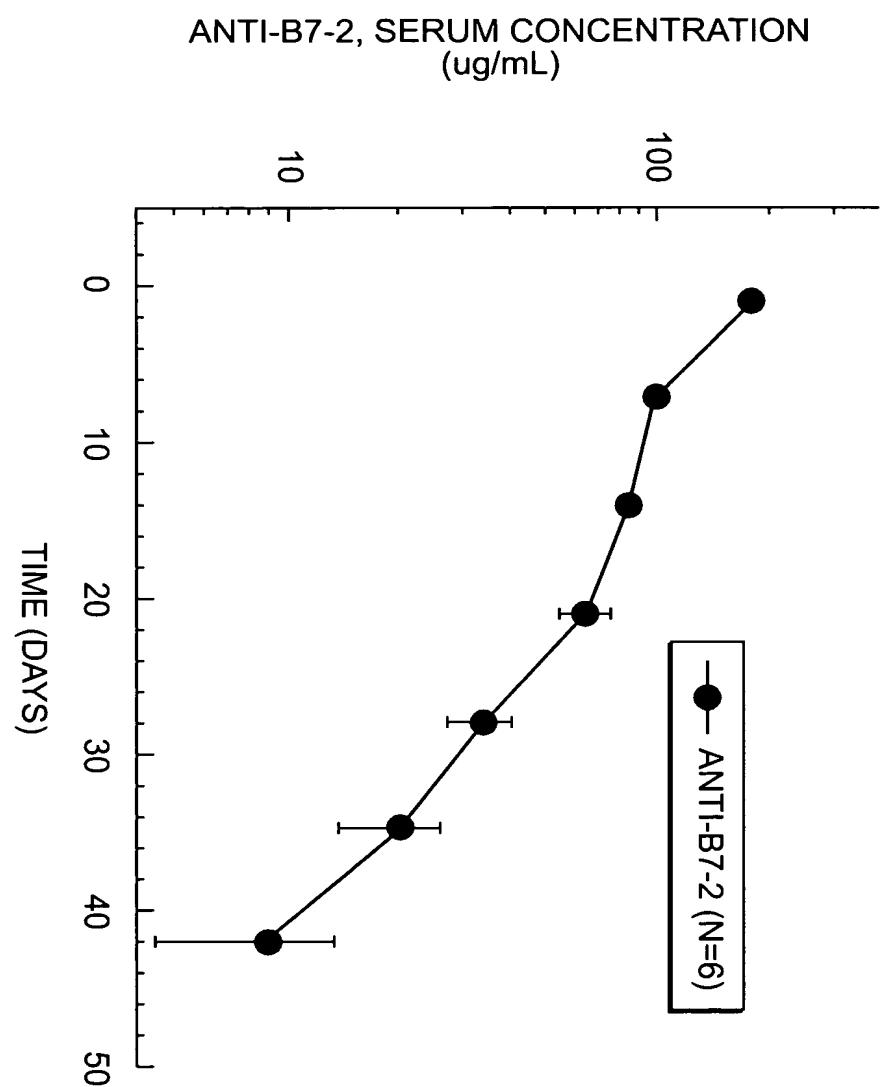


FIG. 10

APPROVED	O.G. FIG.	CLASS	SUBCLASS	BY	DRAFTER
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